



## FIG. 2A

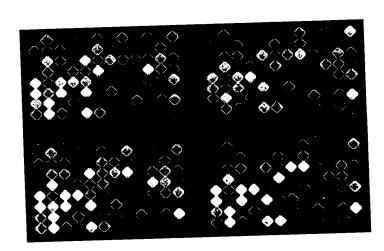
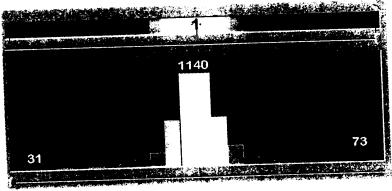


FIG. 2B





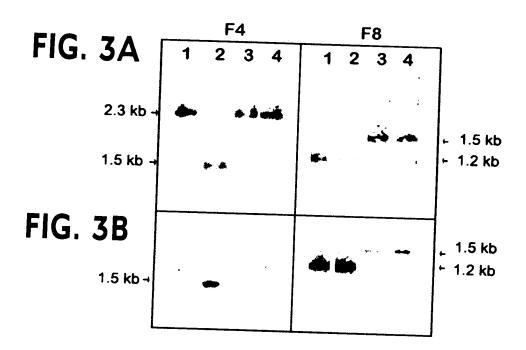




FIG. 4

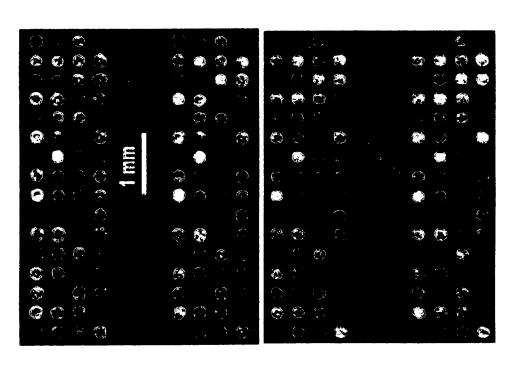


FIG. 5A

IR20 Green Cy3 Millin Red Cy5

FIG. 5B

IR64 Green Cy3 Millin Red Cy5



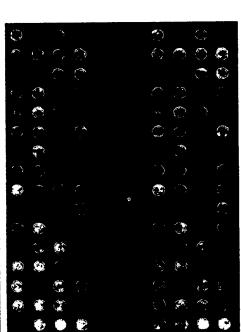
Title: METHODS FOR
GENOTYPING BY
HYBRIDIZATION ANALYSIS
Inventor(s): ANDRZEJ KILIAN

Appl. No.: 09/820,328

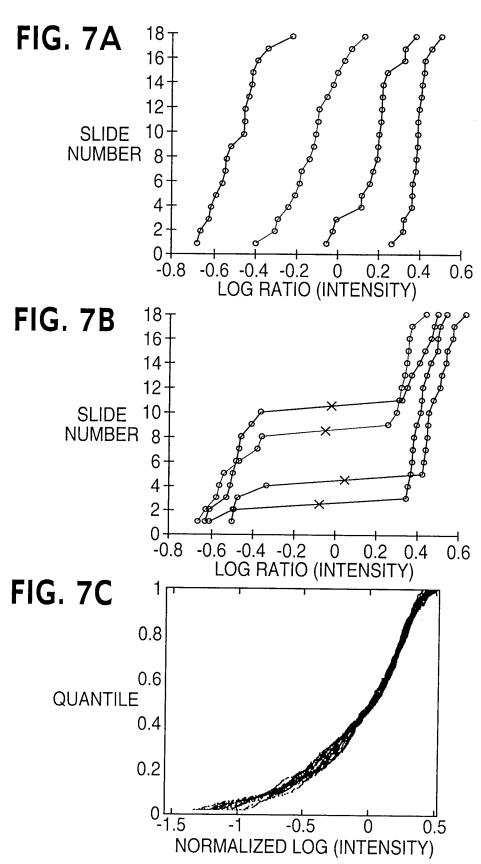
FIG.6A

IR20 Green Cy3 Millin Red Cy5 **FIG.6B** 

IR20 Green CY3 Vector Red Cy5



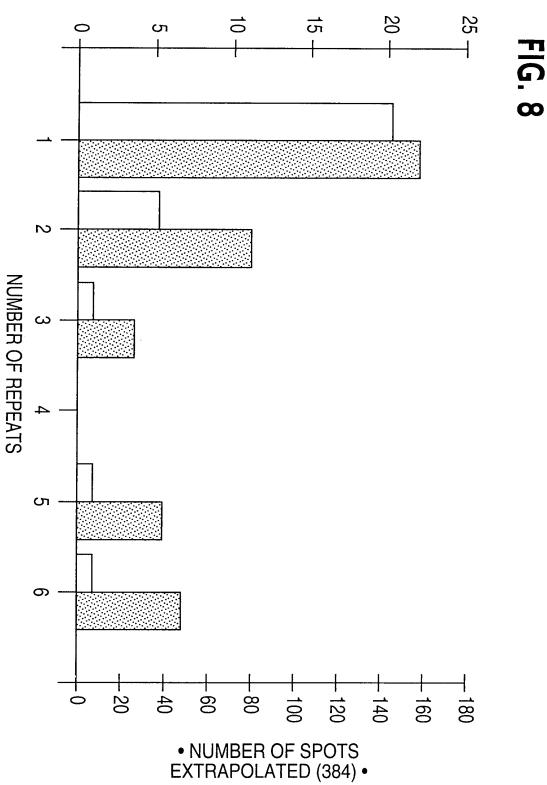






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### • NUMBER OF SPOTS •





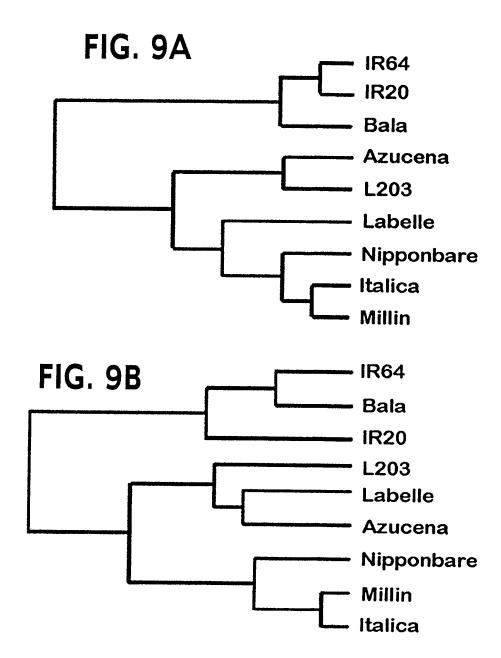




FIG. 10A

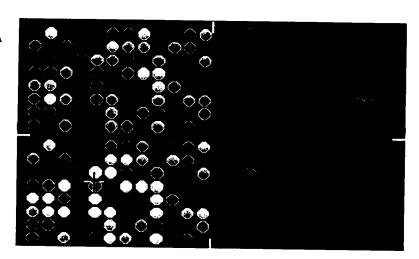


FIG. 10B

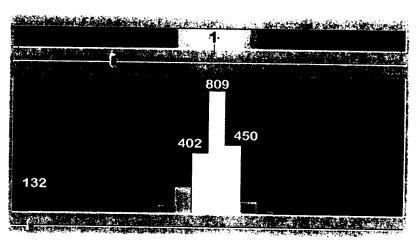
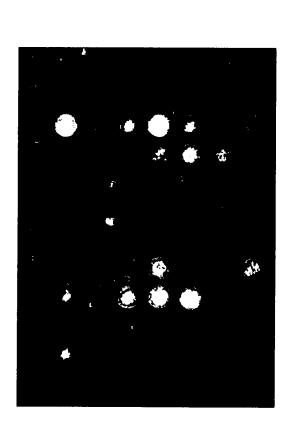




FIG. 11

Barley DArT polymorphism analysis between Steptoe and Morex cultivars



Morex Diversity Panel was labelled with Cy3 and Steptoe Diversity Panel with Cy5 dyes



FIG. 12

### Mouse DArTs using cDNA-based Diversity Array





# Methylation pattern differences among rice tissues typed using DArTs

FIG. 13A

Green: seedling root Yellow: callus + root

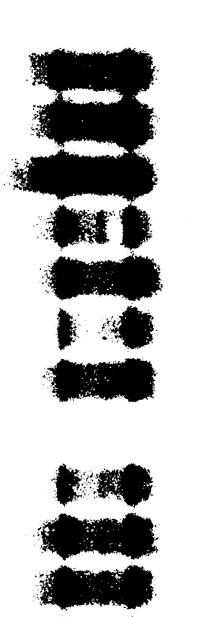
Red: callus

Green: immature embryo Yellow: callus + embryo

Red: callus



## FIG. 14 Amplicon Southern analysis $\infty$



Log Intensity(Diversity Panel/TOPO)

Rice Tissue	Log Intensity(Diversity Panel/TO
1 Candling lackes	0.51
1. Second cares	0.64
2. Occasing 100:	0.58
4 immature pollen and auther	0.34
S Fertilized overy and stigma	-0.01
6 Unfertilized overv and stigma	0.39
7 Mature embryo	0.37
8 Immature embryo	0.47
9 Immature endosperm	0.42
10 Flor leaves	0.51
11 Collins	0.60
12. DNA Mixture	0.63